

QUICK COUPLER FOR THE REMOVABLE JOINING OF TWO PIPES



ABSTRACT

A quick coupler for joining two pipes that includes a male element adapted to be fitted into a female element and maintained in position by a latch forming a stop and opposing withdrawal of the male element. A movable safety member maintains the latch in a blocked position, under the force of pressure of fluid in the coupler, by the cooperation of two surfaces provided, one on the latch and one on the safety member, that are forced into engagement with one another. The safety member releases the latch when a residual pressure in the coupler drops to a safe level.